

Amendments to the Claims:

Applicant has amended the claim set by canceling claims 42-59 and 62-63, amending claims 60-61, and adding claims 64-71. This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Cancelled)
2. (Cancelled)
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- 56. (Cancelled)
- 57. (Cancelled)
- 58. (Cancelled)
- 59. (Cancelled)
- 60. (Amended) The method of claim ~~51~~ 64 wherein the habitat of the organism is selected from the group consisting of fruit, seed, plant, and soil.
- 61. (Amended) The method of claim ~~51~~ 64 wherein the organism is toxic mold and the habitat of the organism is selected from the group consisting of building materials, spaces between building materials, and buildings.
- 62. (Cancelled)
- 63. (Cancelled)
- 64. (New) A method for inhibiting the growth of organisms selected from the group consisting of microbes, insects, and nematodes comprising exposing the organism or a habitat of the organism to a pesticidally effective amount of a *Muscodor*-derived composition comprising a volatile organic compound selected from the group consisting of less than 2500 ppm 2-methyl-1-butanol, less than 2800 ppm isobutyric acid, ethyl butyrate, 3-methyl-1-butanol, isobutyl alcohol, and methyl 2-methylbutyrate.
- 65. (New) The method of Claim 64, wherein the *Muscodor*-derived composition comprises at least one of the volatile organic compounds selected from the group consisting of 3-methyl-1-butanol, less than 2500 ppm 2-methyl-1-butanol, and less than 2800 ppm isobutyric acid.

66. (New) The method of Claim 65, wherein the *Muscodor*-derived composition further comprises at least one of isobutyl alcohol, ethyl propionate, and ethyl butyrate.
67. (New) The method of Claim 65, wherein the *Muscodor*-derived composition further comprises at least one of the volatile organic compounds selected from the group consisting of phenethyl alcohol and methyl isobutyrate.
68. (New) The method of Claim 65, wherein the *Muscodor*-derived composition further comprises ethyl butyrate, isobutyl alcohol, phenethyl alcohol and ethyl isobutyrate.
69. (New) The method of Claim 68, wherein the *Muscodor*-derived composition further comprises 2-methylbutyl acetate.
70. (New) The method of Claim 64, wherein the organism is a fungus.
71. (New) The method of Claim 70, wherein the organism is *Rhizoctonia solani*.